

# COMPLETE DECK EQUIPMENT SOLUTIONS

PALFINGER MARINE PRODUCT CATALOGUE







By acquiring Harding, PALFINGER MARINE is the new market leader in lifesaving equipment and a leading supplier of deck equipment and handling solutions. We offer our customers a one-stop-shop solution with high-quality packages of products and services.

The new and enlarged PALFINGER MARINE is a large step closer to achieving its strategic goal of becoming a complete supplier of integrated marine deck equipment solutions with global service stations.

As part of the PALFINGER Group, PALFINGER MARINE promises LIFETIME EXCELLENCE. For our customers, this means excellence without compromise, and reliable, economical solutions throughout the entire product life-cycle.

**PALFINGER GROUP**  
was founded in 1932  
by Richard Palfinger.

**In 2016 PALFINGER**  
achieved a revenue of  
1.357 billion.

**In 2016 PALFINGER is**  
built on two mainstays:  
**LAND and SEA.**

**HQ is located in**  
**Salzburg, Austria.**

## **WINCHES AND HANDLING EQUIPMENT**

**52.**

## **SERVICE**

**70.**

### **MARINE | OFFSHORE | WIND**

Marine, offshore and wind cranes by PALFINGER MARINE are designed to meet safety standards and extreme environmental conditions of the maritime industry. The extensive range of AHC cranes, foldable knuckle boom cranes, knuckle boom cranes, stiff boom and telescopic boom cranes as well as wire luffing lattice boom and travelling cranes can be used for various applications within the shipbuilding, oil and gas and offshore wind industry. Decades of worldwide experience in producing cranes is the basis for the company's technical expertise, innovative strength and uncompromising quality.

### **DAVITS | LIFE- AND RESCUE BOATS | MILITARY AND PROFESSIONAL BOATS**

PALFINGER MARINE offers the safest range of opportunities for customers. All systems have their unique features. That ensures us the flexibility and capability to provide customers with the best possible solution for their project.

PALFINGER MARINE davits are innovative and user-friendly and are intended for long-term, reliable operation in harsh and hazardous marine and offshore environments. Daughter crafts and workboats are easy to install, trouble-free, maintenance-friendly and ensure safety when it matters most.

PALFINGER MARINE offers a wide range of high-end lifeboat solutions from even the most complex of projects to standard lifeboat products for the offshore and shipping industry. The product range covers totally enclosed lifeboats, free fall lifeboats, partially enclosed lifeboats, rescue boats and fast rescue boats. PALFINGER MARINE is also specialised in designing and manufacturing special boats such as military and law-enforcement boats.

### **WINCHES | HANDLING EQUIPMENT | FENDERS**

PALFINGER MARINE is a supplier of customised deck machinery and handling equipment for offshore vessels, offshore service vessels, special vessels and oil rigs. The comprehensive product portfolio includes winches, lifting and handling equipment, bulk and bunker-handling equipment. The well-proven designs ensure trouble-free operations in demanding maritime environments which require high performing and reliable equipment. PALFINGER MARINE also offers a wide range of pneumatic fenders, foam-filled fenders, fixed fenders and fender davits available for a wide range of applications.

### **AFTER SALES | SERVICE**

PALFINGER MARINE provides comprehensive, customised and reliable services to customers around the world. A global network of specially trained engineers and experts offer extensive know-how and experience. PALFINGER MARINE is a reliable and professional partner in every situation, from telephone assistance to on-time delivery and instant on-site support.

# GLOBAL COVERAGE

## PALFINGER MARINE WORLDWIDE

### WORLD WIDE NETWORK – WE ARE HERE TO HELP

Our setup includes an extensive network of service stations throughout the world.



100 %  
GLOBAL COVERAGE



24/7 AVAILABILITY  
SERVICE HOTLINE  
+43 662 4884 82128



1900 EMPLOYEES



33 OFFICES  
12 PRODUCTION SITES

PALFINGER MARINE has 33 fully owned sales and service hubs in 19 countries in Europe, Asia, the Americas, the Middle East and Africa.

With the world's largest own service network, PALFINGER MARINE is able to follow up your vessels more efficiently than any other service provider in the industry.

In addition to our own 33 offices PALFINGER MARINE has also certified over a dozen service stations – extending the network to the most remote areas.





# LIFESAVING EQUIPMENT

DAVITS | LIFE- AND RESCUE BOATS |  
MILITARY AND PROFESSIONAL BOATS





# DAVITS

## LIFEBOAT DAVITS



### PFH SERIES

- Hydraulic pivoting davit for lifeboats
- Ideal for situations where height restrictions apply
- Modular built system, easy to install
- Foldable davit arms for easy transportation
- Provided with selfcontained HPU



### VIP SERIES

- Gravity based davits
- Hydraulic brake system
- Low cost of ownership
- Easy to operate

Type	Safe Working Load (SWL)	Max Boat Weight	Operation
<b>HYDRAULIC PIVOTING LIFEBOAT DAVITS</b>			
PFH 80	80 kN	8158 kg	hydraulic pivoting/gravity lowering/electric hoisting
PFH 145	145 kN	14785 kg	hydraulic pivoting/gravity lowering/electric hoisting
PFH 180	180 kN	18354 kg	hydraulic pivoting/gravity lowering/electric hoisting
PFH 230	230 kN	23453 kg	hydraulic pivoting/gravity lowering/electric hoisting
<b>LIFEBOAT DAVIT</b>			
VIP 1000	123 kN	12600 kg	gravity lowering/electric hoisting

## FEATURES AND OPTIONS

### ACCESSORIES OPTIONS

- Converter
- Life-/rescue execution (if applicable)
- Ex-proof
- Skid mounted
- Other options available on request

### INNOVATIVE

- Designed for daily operations
- Increased operational efficiency
- Meeting Navy and Coast Guard requirements



## LIFEBOAT DAVITS



### NPD SERIES

- Hydraulic pivoting and hydraulic hoisting/lowering
- Easy to install (plug and play)
- Totally enclosed system
- All components protected from wear and tear
- Innovative design



### NTD SERIES

- Hydraulic hoisting
- Easy to install
- Totally enclosed system
- All components protected from wear and tear
- Innovative design

Type	Safe Working Load (SWL)	Max Boat Weight	Hoisting
<b>LIFEBOAT DAVITS</b>			
NPD 6000H	58.8 kN	6000 kg	0–5/18 m/min
NPD 11300H	110.8 kN	11300 kg	0–5/18 m/min
NPD 14800H	145.1 kN	14800 kg	0–5 m/min
<b>TELESCOPIC DAVITS</b>			
NTD 12000H	117.7 kN	12000 kg	0–5/18 m/min

## FEATURES AND OPTIONS

### ACCESSORIES OPTIONS

- Ex-proof
- Heating system
- Other options available on request





# LIFE- AND RESCUE BOATS

## LIFEBOATS



### LBT SERIES

- Complies with SOLAS regulations
- Available in two versions: tanker or dry cargo
- Fitted with European standard equipment
- Capacity 25–150 persons
- For marine and offshore applications
- Big size seats available
- External steel parts are of 316 L quality
- Polar code approval available upon request

Cargo version (C) / Tanker version (T)	L x W x H	Max Seating (pers. at 82.5 kg)	Hook Distance	Davit Load
LBT 525 C / LBT 525 T	5.3 x 2.3 x 3.1 m	25	4.9 m	4403 / 4753 kg
LBT 650 C / LBT 650 T	6.5 x 2.3 x 3.1 m	36	6.1 m	5485 / 5935 kg
LBT 700 C / LBT 700 T	7.0 x 2.7 x 3.1 m	48	6.6 m	7216 / 7605 kg
LBT 750 C / LBT 750 T	7.5 x 2.9 x 3.3 m	68	7.1 m	8965 / 9335 kg
LBT 850 C / LBT 850 T	8.5 x 2.9 x 3.3 m	80	8.1 m	10949 / 11295 kg
LBT 935 C / LBT 935 T	9.4 x 3.6 x 3.3 m	102	9 m	13825 / 14315 kg
LBT 1090 C / LBT 1090 T	10.9 x 3.9 x 3.5 m	130	10.5 m	17406 / 17906 kg
LBT 1180C / LBT 1180 T	11.8 x 4.2 x 3.7 m	150	11.3 m	21350 / 22000 kg

## OPTIONS AND ACCESSORIES

- VHF radio
- SART (Search and Rescue Transponder)
- EPIRB (Emergency Position Indicating Radio Beacon)
- Engine heater
- Boat heater
- Polar package
- Spring starter/hydraulic starter



LIFESAVING  
EQUIPMENT



# LIFE- AND RESCUE BOATS

## FREE FALL LIFEBOATS



### FF 1200

- Design basis DNV OS-E406/NORSOK R-002 & Solas
- 70 person capacity based on an average weight of 100 kg per person
- Superior space and comfort for person size from 1.4 m to 2.1 m and weight from 50 kg to 150 kg
- Seats with 5-point seat belts provide excellent safety and comfort
- Twin steering position
- Structural design gives the lifeboat max. strength, safety and minimum of deflection
- Unique combination of excellent positive headway and low G-forces
- High power engine, 280 hp. High speed and high bollard pull

Free Fall Boat Offshore	No. of pers.	FF Height	L x B x H	Weight Equipped	Weight Loaded
FF 1200	70	46 m*	16.7 x 3.9 x 4.5 m	21500 kg	28500 kg

\*Max free fall height is 46 meter. For DNV-OS-E406 the free fall height must be confirmed project by project.

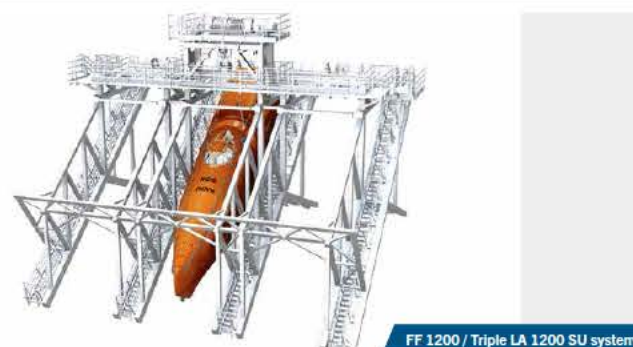
### REFERENCE PROJECTS

- Johan Sverdrup (Statoil)
- Gina Krogh (Statoil)
- Martin Linge (Total)
- Ivar Aasen (DNO)

Free Fall Davits Offshore	Installation Type	Davit Weight	2 Boats	3 Boats	4 Boats	5 Boats	6 Boats
LA 1200 SU	Fixed		75000 kg	101000 kg	127000 kg	152900 kg	178800 kg
LA 1200 SU FL	Floating		82800 kg	111500 kg	140100 kg	168800 kg	197400 kg
LA 1200 HO	Rig type	44000 kg	one boat per system				
LA 1200 H	Ship type	42200 kg	one boat per system				

### TYPICAL APPLICATIONS

Platforms of any type  
Drillships  
FPSOs  
Car carriers  
Any large complement ship  
VLCCs  
VLOCs  
LNGCs  
LNG-FPSOs



FF 1200 / Triple LA 1200 SU system



### FF 1000

- 60 person capacity MSC272(85)
- Freefall height 36 m
- Unique combination of positive headway and low G-forces
- Strength tested from 47 m

Free Fall Boat Offshore	No. of pers.	FF Height	L x B x H	Weight Equipped	Weight Loaded
FF 1000 S M2	60	36 m	12.6 x 3.4 x 4.3 m	10866 kg	15816 kg

Cargo Version (C) / Tanker Version (T)	L x W x H	Max Seating (pers. at 82.5 kg)	Max Drop Height	Davit Load
LBF 490 C / LBF 490 T	4.9 x 2.4 x 3.1 m	16	16 m	3 963 / 4 313 kg
LBF 580 C / LBF 580 T	5.8 x 2.6 x 3.1 m	26	17 m	5 646 / 5 976 kg
LBF 680 C / LBF 680 T	6.8 x 2.7 x 3.2 m	31	22 m	6 440 / 6 740 kg
LBF 750 C / LBF 750 T	7.5 x 2.7 x 3.2 m	35	22 m	7 374 / 7 724 kg
LBF 850 C / LBF 850 T	8.8 x 2.9 x 3.3 m	40	25 m	8 322 / 8 722 kg
LBF 950 C / LBF 950 T	9.5 x 3.2 x 3.3 m	51	32 m	10773 / 11448 kg

Type	Safe Working Load (SWL)	Max Boat Weight	Operation
<b>FREE FALL DAVITS</b>			
JYF 55	59 kN	6016 kg	free fall launching or hydraulic lowering
JYF 75	75 kN	7647 kg	free fall launching or hydraulic lowering
JYF 90	90 kN	11523 kg	free fall launching or hydraulic lowering
JYF 105	113 kN	11523 kg	free fall launching or hydraulic lowering

### OPTIONS AND ACCESSORIES

Boat heater  
Emergency spring starter  
Engine heater  
Hydraulic starter  
SART (Search and Rescue Transponder)  
EPIRB (Emergency Position Indication Radio Beacon)  
Other options available on request



LIFESAVING EQUIPMENT